

**ANALYTICAL RESULTS**

Prepared by:

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Prepared for:

ExxonMobil  
 Mobil Pipeline Company  
 PO Box 4416  
 Houston TX 77210-4416

April 15, 2013

Project: Mayflower, AR Pipeline Incident

Submittal Date: 04/14/2013  
 Group Number: 1382743  
 SDG: PEG27  
 PO Number: 4510076246  
 Release Number: MAYFLOWER 1406  
 State of Sample Origin: AR

**Client Sample Description**

WS-005(SURFACE)041313 Grab Surface Water  
 Mayflower, AR  
 Pipeline Incident  
 WS-003(SURFACE)041313 Grab Surface Water  
 Mayflower, AR  
 Pipeline Incident  
 WS-002(SURFACE)041313 Grab Surface Water  
 Mayflower, AR  
 Pipeline Incident  
 WS-BKG-001(SURFACE)041313 Grab Surface Water  
 Mayflower, AR  
 Pipeline Incident  
 WS-008(SURFACE)041313 Grab Surface Water  
 Mayflower, AR  
 Pipeline Incident  
 WS-004(SURFACE)041313 Grab Surface Water  
 Mayflower, AR  
 Pipeline Incident  
 WS-004(0.5-1.0)041313 Grab Surface Water  
 Mayflower, AR  
 Pipeline Incident

**Lancaster Labs #**

7021877

**Collected**

04/13/2013 08:15

7021878

04/13/2013 09:00

7021879

04/13/2013 09:30

7021880

04/13/2013 09:50

7021881

04/13/2013 10:45

7021882

04/13/2013 11:45

7021883

04/13/2013 11:50

WS-001(SURFACE)041313 Grab Surface Water Mayflower, AR Pipeline Incident	7021884	04/13/2013 11:15
WS-001(0.5-1.0)041313 Grab Surface Water Mayflower, AR Pipeline Incident	7021885	04/13/2013 11:20
WS-007(SURFACE)041313 Grab Surface Water Mayflower, AR Pipeline Incident	7021886	04/13/2013 12:15
WS-007(0.5-1.0)041313 Grab Surface Water Mayflower, AR Pipeline Incident	7021887	04/13/2013 12:20
WS-006(SURFACE)041313 Grab Surface Water Mayflower, AR Pipeline Incident	7021888	04/13/2013 12:50
WS-006(0.5-1.0)041313 Grab Surface Water Mayflower, AR Pipeline Incident	7021889	04/13/2013 12:55
WS-DUP5-041313 Grab Surface Water Mayflower, AR Pipeline Incident	7021890	04/13/2013
WS-TB-09-041313 Water Mayflower, AR Pipeline Incident	7021891	04/13/2013

**METHODOLOGY**

The specified methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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Attn: Stephen Barrick  
Attn: Lyndi Mott  
Attn: Scott Bushroe  
Attn: Timothy S. Martin  
Attn: Michael J. Firth

Respectfully Submitted,

*Katherine A. Klinefelter*

Katherine A. Klinefelter  
Principal Specialist

ExxonMobil  
 Project: Mayflower, AR Pipeline Incident  
 SDG: PEG27

Report Date: 4/15/2013 17:23  
 Submit Date: 4/14/2013 15:08

Analysis Name	Units	7021877 WS- 005(SURFA CE)041313			7021878 WS-003(SURFACE)041313		
		Result	MDL**	LOQ	Result	MDL**	LOQ
Acetone	ug/l	N.D.	3.0	5.0	N.D.	3.0	5.0
Allyl Chloride	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Benzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromobenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromochloromethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromodichloromethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromoform	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromomethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
2-Butanone	ug/l	N.D.	1.0	5.0	N.D.	1.0	5.0
n-Butylbenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
sec-Butylbenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
tert-Butylbenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Carbon Tetrachloride	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Chlorobenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Chloroethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Chloroform	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Chloromethane	ug/l	N.D.	0.2	0.5	N.D.	0.2	0.5
2-Chlorotoluene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
4-Chlorotoluene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dibromo-3-chloropropane	ug/l	N.D.	0.2	0.5	N.D.	0.2	0.5
Dibromochloromethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dibromoethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5

Dibromomethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,3-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,4-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dichlorodifluoromethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dichloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
cis-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
trans-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dichlorofluoromethane	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
1,2-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,3-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
2,2-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloropropene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
cis-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
trans-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Ethyl ether	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Ethylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Freon 113	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
Hexachlorobutadiene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Isopropylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
p-Isopropyltoluene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Methyl Tertiary Butyl Ether	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
4-Methyl-2-Pentanone	ug/l		N.D.	1.0	5.0	N.D.	1.0	5.0
Methylene Chloride	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
n-Propylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Styrene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1,1,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1,2,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Tetrachloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Tetrahydrofuran	ug/l		N.D.	2.0	5.0	N.D.	2.0	5.0
Toluene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5

\*\* = This limit was used in the evaluation of the final result

1,2,3-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,4-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,1-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,2-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Trichloroethylene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Trichlorofluoromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,3-Trichloropropane	ug/l		N.D.	0.3	1.0		N.D.	0.3	1.0
1,2,4-Trimethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,3,5-Trimethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Vinyl Chloride	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Xylene (Total)	ug/l		0.2 J	0.1	0.5		N.D.	0.1	0.5
Acenaphthene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Acenaphthylene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Anthracene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Benzo(a)anthracene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Benzo(a)pyrene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Benzo(b)fluoranthene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Benzo(g,h,i)perylene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Benzo(k)fluoranthene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Chrysene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Dibenz(a,h)anthracene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Fluoranthene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Fluorene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Indeno(1,2,3-cd)pyrene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
1-Methylnaphthalene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
2-Methylnaphthalene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Naphthalene	ug/l		N.D.	0.031	0.052	0.076	0.030	0.051	
Phenanthrene	ug/l		N.D.	0.031	0.052		N.D.	0.030	0.051
Pyrene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Total Hardness as CaCO <sub>3</sub>	mg/l		14.6	0.064	0.20	13.6	0.064	0.20	
Arsenic	mg/l		N.D.	0.0068	0.0200		N.D.	0.0068	0.0200
Barium	mg/l		0.0161	0.00033	0.0050	0.0182	0.00033	0.0050	
Cadmium	mg/l		N.D.	0.00036	0.0050		N.D.	0.00036	0.0050

\*\* = This limit was used in the evaluation of the final result

Calcium	mg/l		3.32	0.0640	0.200		3.07	0.0640	0.200
Chromium	mg/l		N.D.	0.0011	0.0150		N.D.	0.0011	0.0150
Lead	mg/l		N.D.	0.0051	0.0150		N.D.	0.0051	0.0150
Magnesium	mg/l		1.54	0.0606	0.100		1.45	0.0606	0.100
Nickel	mg/l		0.0012 J	0.0011	0.0100		0.0020 J	0.0011	0.0100
Selenium	mg/l		N.D.	0.0075	0.0200		N.D.	0.0075	0.0200
Silver	mg/l		N.D.	0.0012	0.0050		N.D.	0.0012	0.0050
Vanadium	mg/l		N.D.	0.0013	0.0050		N.D.	0.0013	0.0050
Mercury	mg/l		N.D.	0.000070	0.00020		N.D.	0.000070	0.00020

Analysis Name	Units	7021879			7021880		
		WS-			WS-BKG-		
		002(SURFA CE)041313			001(SURFACE)041313		
		Result	MDL**	LOQ	Result	MDL**	LOQ
Acetone	ug/l	N.D.	3.0	5.0	N.D.	3.0	5.0
Allyl Chloride	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Benzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromobenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromoform	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromomethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
2-Butanone	ug/l	N.D.	1.0	5.0	N.D.	1.0	5.0
n-Butylbenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
sec-Butylbenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
tert-Butylbenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Carbon Tetrachloride	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Chlorobenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Chloroethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Chloroform	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Chloromethane	ug/l	N.D.	0.2	0.5	N.D.	0.2	0.5
2-Chlorotoluene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5

4-Chlorotoluene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dibromo-3-chloropropane	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
Dibromochloromethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dibromoethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dibromomethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,3-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,4-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dichlorodifluoromethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dichloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
cis-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
trans-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dichlorofluoromethane	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
1,2-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,3-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
2,2-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloropropene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
cis-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
trans-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Ethyl ether	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Ethylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Freon 113	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
Hexachlorobutadiene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Isopropylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
p-Isopropyltoluene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Methyl Tertiary Butyl Ether	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
4-Methyl-2-Pentanone	ug/l		N.D.	1.0	5.0	N.D.	1.0	5.0
Methylene Chloride	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
n-Propylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Styrene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1,1,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5

\*\* = This limit was used in the evaluation of the final result

1,1,2,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Tetrachloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Tetrahydrofuran	ug/l		N.D.	2.0	5.0		N.D.	2.0	5.0
Toluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,3-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,4-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,1-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,2-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Trichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Trichlorofluoromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,3-Trichloropropane	ug/l		N.D.	0.3	1.0		N.D.	0.3	1.0
1,2,4-Trimethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,3,5-Trimethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Vinyl Chloride	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Xylene (Total)	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Acenaphthene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Acenaphthylene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Anthracene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Benzo(a)anthracene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Benzo(a)pyrene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Benzo(b)fluoranthene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Benzo(g,h,i)perylene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Benzo(k)fluoranthene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Chrysene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Dibenz(a,h)anthracene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Fluoranthene	ug/l		N.D.	0.010	0.052	0.011 J	0.010	0.051	
Fluorene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Indeno(1,2,3-cd)pyrene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
1-Methylnaphthalene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
2-Methylnaphthalene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Naphthalene	ug/l		0.060	0.031	0.052		N.D.	0.031	0.051
Phenanthrene	ug/l		N.D.	0.031	0.052		N.D.	0.031	0.051
Pyrene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051

\*\* = This limit was used in the evaluation of the final result

Total Hardness as CaCO <sub>3</sub>	mg/l		13.4	0.064	0.20		22.4	0.064	0.20
Arsenic	mg/l		N.D.	0.0068	0.0200		N.D.	0.0068	0.0200
Barium	mg/l		0.0191	0.00033	0.0050		0.0294	0.00033	0.0050
Cadmium	mg/l		N.D.	0.00036	0.0050		N.D.	0.00036	0.0050
Calcium	mg/l		2.99	0.0640	0.200		5.95	0.0640	0.200
Chromium	mg/l		0.0018 J	0.0011	0.0150		N.D.	0.0011	0.0150
Lead	mg/l		N.D.	0.0051	0.0150		N.D.	0.0051	0.0150
Magnesium	mg/l		1.44	0.0606	0.100		1.83	0.0606	0.100
Nickel	mg/l		0.0012 J	0.0011	0.0100		0.0020 J	0.0011	0.0100
Selenium	mg/l		N.D.	0.0075	0.0200		N.D.	0.0075	0.0200
Silver	mg/l		N.D.	0.0012	0.0050		N.D.	0.0012	0.0050
Vanadium	mg/l		N.D.	0.0013	0.0050		N.D.	0.0013	0.0050
Mercury	mg/l		N.D.	0.000070	0.00020		N.D.	0.000070	0.00020

Analysis Name	Units	7021881 WS- 008(SURFA CE)041313			7021882 WS-004(SURFACE)041313		
		Result	MDL**	LOQ	Result	MDL**	LOQ
Acetone	ug/l	N.D.	3.0	5.0	N.D.	3.0	5.0
Allyl Chloride	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Benzene	ug/l	14	0.1	0.5	N.D.	0.1	0.5
Bromobenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromo(chloromethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromodichloromethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromoform	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromomethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
2-Butanone	ug/l	N.D.	1.0	5.0	N.D.	1.0	5.0
n-Butylbenzene	ug/l	1.1	0.1	0.5	N.D.	0.1	0.5
sec-Butylbenzene	ug/l	1	0.1	0.5	N.D.	0.1	0.5
tert-Butylbenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Carbon Tetrachloride	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Chlorobenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5

Chloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Chloroform	ug/l		1.1	0.1	0.5	N.D.	0.1	0.5
Chloromethane	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
2-Chlorotoluene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
4-Chlorotoluene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dibromo-3-chloropropane	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
Dibromochloromethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dibromoethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dibromomethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,3-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,4-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dichlorodifluoromethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dichloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
cis-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
trans-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dichlorofluoromethane	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
1,2-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,3-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
2,2-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloropropene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
cis-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
trans-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Ethyl ether	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Ethylbenzene	ug/l		7.6	0.1	0.5	N.D.	0.1	0.5
Freon 113	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
Hexachlorobutadiene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Isopropylbenzene	ug/l		1.7	0.1	0.5	N.D.	0.1	0.5
p-Isopropyltoluene	ug/l		1.1	0.1	0.5	N.D.	0.1	0.5
Methyl Tertiary Butyl Ether	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
4-Methyl-2-Pentanone	ug/l		N.D.	1.0	5.0	N.D.	1.0	5.0

\*\* = This limit was used in the evaluation of the final result

Methylene Chloride	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
n-Propylbenzene	ug/l		2.7	0.1	0.5		N.D.	0.1	0.5
Styrene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,1,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,2,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Tetrachloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Tetrahydrofuran	ug/l		N.D.	2.0	5.0		N.D.	2.0	5.0
Toluene	ug/l		35	0.2	1.0		N.D.	0.1	0.5
1,2,3-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,4-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,1-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,2-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Trichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Trichlorofluoromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,3-Trichloropropane	ug/l		N.D.	0.3	1.0		N.D.	0.3	1.0
1,2,4-Trimethylbenzene	ug/l		14	0.1	0.5		N.D.	0.1	0.5
1,3,5-Trimethylbenzene	ug/l		6.7	0.1	0.5		N.D.	0.1	0.5
Vinyl Chloride	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Xylene (Total)	ug/l		52	0.1	0.5		N.D.	0.1	0.5
Acenaphthene	ug/l		0.25	0.010	0.051		N.D.	0.010	0.050
Acenaphthylene	ug/l		0.13	0.010	0.051		N.D.	0.010	0.050
Anthracene	ug/l		N.D.	0.010	0.051		N.D.	0.010	0.050
Benzo(a)anthracene	ug/l		0.13	0.010	0.051		N.D.	0.010	0.050
Benzo(a)pyrene	ug/l		0.099	0.010	0.051		N.D.	0.010	0.050
Benzo(b)fluoranthene	ug/l		0.18	0.010	0.051	0.012 J	0.010	0.050	
Benzo(g,h,i)perylene	ug/l		0.18	0.010	0.051		N.D.	0.010	0.050
Benzo(k)fluoranthene	ug/l		0.035 J	0.010	0.051		N.D.	0.010	0.050
Chrysene	ug/l		0.41	0.010	0.051		N.D.	0.010	0.050
Dibenz(a,h)anthracene	ug/l		0.031 J	0.010	0.051		N.D.	0.010	0.050
Fluoranthene	ug/l		0.13	0.010	0.051		N.D.	0.010	0.050
Fluorene	ug/l		0.76	0.010	0.051		N.D.	0.010	0.050
Indeno(1,2,3-cd)pyrene	ug/l		0.091	0.010	0.051		N.D.	0.010	0.050
1-Methylnaphthalene	ug/l		3.2	0.010	0.051		N.D.	0.010	0.050

\*\* = This limit was used in the evaluation of the final result

2-Methylnaphthalene	ug/l		3.9	0.010	0.051		N.D.	0.010	0.050
Naphthalene	ug/l		1.6	0.031	0.051		0.041 J	0.030	0.050
Phenanthrene	ug/l		1.2	0.031	0.051		N.D.	0.030	0.050
Pyrene	ug/l		0.43	0.010	0.051		0.015 J	0.010	0.050
Total Hardness as CaCO3	mg/l		34.2	0.064	0.20		20.6	0.064	0.20
Arsenic	mg/l		0.0094 J	0.0068	0.0200		N.D.	0.0068	0.0200
Barium	mg/l		0.158	0.00033	0.0050		0.0997	0.00033	0.0050
Cadmium	mg/l		0.00037 J	0.00036	0.0050		N.D.	0.00036	0.0050
Calcium	mg/l		4.95	0.0640	0.200		3.96	0.0640	0.200
Chromium	mg/l		0.0292	0.0011	0.0150		0.0131 J	0.0011	0.0150
Lead	mg/l		0.0202	0.0051	0.0150		0.0116 J	0.0051	0.0150
Magnesium	mg/l		5.31	0.0606	0.100		2.59	0.0606	0.100
Nickel	mg/l		0.0265	0.0011	0.0100		0.0099 J	0.0011	0.0100
Selenium	mg/l		N.D.	0.0075	0.0200		N.D.	0.0075	0.0200
Silver	mg/l		N.D.	0.0012	0.0050		N.D.	0.0012	0.0050
Vanadium	mg/l		0.0324	0.0013	0.0050		0.0184	0.0013	0.0050
Mercury	mg/l		N.D.	0.000070	0.00020		N.D.	0.000070	0.00020

Analysis Name	Units	7021883 WS-004(0.5- 1.0)041313			7021884 WS-001(SURFACE)041313		
		Result	MDL**	LOQ	Result	MDL**	LOQ
Acetone	ug/l	N.D.	3.0	5.0	N.D.	3.0	5.0
Allyl Chloride	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Benzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromobenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromoform	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromochloromethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromodichloromethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromoform	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromomethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
2-Butanone	ug/l	N.D.	1.0	5.0	N.D.	1.0	5.0
n-Butylbenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
sec-Butylbenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5

tert-Butylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Carbon Tetrachloride	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Chlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Chloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Chloroform	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Chloromethane	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
2-Chlorotoluene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
4-Chlorotoluene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dibromo-3-chloropropane	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
Dibromochloromethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dibromoethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dibromomethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,3-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,4-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dichlorodifluoromethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dichloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
cis-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
trans-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dichlorofluoromethane	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
1,2-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,3-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
2,2-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloropropene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
cis-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
trans-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Ethyl ether	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Ethylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Freon 113	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
Hexachlorobutadiene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Isopropylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5

\*\* = This limit was used in the evaluation of the final result

p-Isopropyltoluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Methyl Tertiary Butyl Ether	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
4-Methyl-2-Pentanone	ug/l		N.D.	1.0	5.0		N.D.	1.0	5.0
Methylene Chloride	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
n-Propylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Styrene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,1,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,2,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Tetrachloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Tetrahydrofuran	ug/l		N.D.	2.0	5.0		N.D.	2.0	5.0
Toluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,3-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,4-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,1-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,2-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Trichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Trichlorofluoromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,3-Trichloropropane	ug/l		N.D.	0.3	1.0		N.D.	0.3	1.0
1,2,4-Trimethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,3,5-Trimethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Vinyl Chloride	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Xylene (Total)	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Acenaphthene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Acenaphthylene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Anthracene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Benzo(a)anthracene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Benzo(a)pyrene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Benzo(b)fluoranthene	ug/l		0.013 J	0.010	0.052		N.D.	0.010	0.051
Benzo(g,h,i)perylene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Benzo(k)fluoranthene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Chrysene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Dibenz(a,h)anthracene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Fluoranthene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051

\*\* = This limit was used in the evaluation of the final result

Fluorene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Indeno(1,2,3-cd)pyrene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
1-Methylnaphthalene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
2-Methylnaphthalene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Naphthalene	ug/l		0.044 J	0.031	0.052		0.051 J	0.031	0.051
Phenanthrene	ug/l		N.D.	0.031	0.052		N.D.	0.031	0.051
Pyrene	ug/l		0.019 J	0.010	0.052		N.D.	0.010	0.051
Total Hardness as CaCO3	mg/l		21.9	0.064	0.20		14.9	0.064	0.20
Arsenic	mg/l		N.D.	0.0068	0.0200		N.D.	0.0068	0.0200
Barium	mg/l		0.104	0.00033	0.0050		0.0336	0.00033	0.0050
Cadmium	mg/l		N.D.	0.00036	0.0050		N.D.	0.00036	0.0050
Calcium	mg/l		4.39	0.0640	0.200		3.27	0.0640	0.200
Chromium	mg/l		0.0128 J	0.0011	0.0150		0.0033 J	0.0011	0.0150
Lead	mg/l		0.0115 J	0.0051	0.0150		N.D.	0.0051	0.0150
Magnesium	mg/l		2.66	0.0606	0.100		1.64	0.0606	0.100
Nickel	mg/l		0.0105	0.0011	0.0100		0.0026 J	0.0011	0.0100
Selenium	mg/l		N.D.	0.0075	0.0200		N.D.	0.0075	0.0200
Silver	mg/l		N.D.	0.0012	0.0050		N.D.	0.0012	0.0050
Vanadium	mg/l		0.0189	0.0013	0.0050		0.0040 J	0.0013	0.0050
Mercury	mg/l		N.D.	0.000070	0.00020		N.D.	0.000070	0.00020

Analysis Name	Units	7021885 WS-001(0.5- 1.0)041313			7021886 WS-007(SURFACE)041313		
		Result	MDL**	LOQ	Result	MDL**	LOQ
Acetone	ug/l	N.D.	3.0	5.0	N.D.	3.0	5.0
Allyl Chloride	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Benzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromobenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromoform	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromomethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromodichloromethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Chloroform	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Dichloromethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Toluene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5

2-Butanone	ug/l		N.D.	1.0	5.0	N.D.	1.0	5.0
n-Butylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
sec-Butylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
tert-Butylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Carbon Tetrachloride	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Chlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Chloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Chloroform	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Chloromethane	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
2-Chlorotoluene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
4-Chlorotoluene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dibromo-3-chloropropane	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
Dibromochloromethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dibromoethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dibromomethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,3-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,4-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dichlorodifluoromethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dichloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
cis-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
trans-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dichlorofluoromethane	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
1,2-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,3-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
2,2-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloropropene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
cis-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
trans-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Ethyl ether	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Ethylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5

\*\* = This limit was used in the evaluation of the final result

Freon 113	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
Hexachlorobutadiene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Isopropylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
p-Isopropyltoluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Methyl Tertiary Butyl Ether	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
4-Methyl-2-Pentanone	ug/l		N.D.	1.0	5.0		N.D.	1.0	5.0
Methylene Chloride	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
n-Propylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Styrene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,1,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,2,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Tetrachloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Tetrahydrofuran	ug/l		N.D.	2.0	5.0		N.D.	2.0	5.0
Toluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,3-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,4-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,1-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,2-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Trichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Trichlorofluoromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,3-Trichloropropane	ug/l		N.D.	0.3	1.0		N.D.	0.3	1.0
1,2,4-Trimethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,3,5-Trimethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Vinyl Chloride	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Xylene (Total)	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Acenaphthene	ug/l		N.D.	0.010	0.050		N.D.	0.010	0.051
Acenaphthylene	ug/l		N.D.	0.010	0.050		N.D.	0.010	0.051
Anthracene	ug/l		N.D.	0.010	0.050	0.030 J	0.010	0.051	
Benzo(a)anthracene	ug/l		N.D.	0.010	0.050		N.D.	0.010	0.051
Benzo(a)pyrene	ug/l		N.D.	0.010	0.050		N.D.	0.010	0.051
Benzo(b)fluoranthene	ug/l		N.D.	0.010	0.050	0.017 J	0.010	0.051	
Benzo(g,h,i)perylene	ug/l		N.D.	0.010	0.050		N.D.	0.010	0.051
Benzo(k)fluoranthene	ug/l		N.D.	0.010	0.050		N.D.	0.010	0.051

\*\* = This limit was used in the evaluation of the final result

Chrysene	ug/l		N.D.	0.010	0.050		0.018	J	0.010	0.051	
Dibenz(a,h)anthracene	ug/l		N.D.	0.010	0.050		N.D.	0.010	0.051		
Fluoranthene	ug/l		N.D.	0.010	0.050		0.12	0.010	0.051		
Fluorene	ug/l		N.D.	0.010	0.050		N.D.	0.010	0.051		
Indeno(1,2,3-cd)pyrene	ug/l		N.D.	0.010	0.050		N.D.	0.010	0.051		
1-Methylnaphthalene	ug/l		N.D.	0.010	0.050		N.D.	0.010	0.051		
2-Methylnaphthalene	ug/l		N.D.	0.010	0.050		N.D.	0.010	0.051		
Naphthalene	ug/l		0.036	J	0.030	0.050	0.051	J	0.031	0.051	
Phenanthrene	ug/l		N.D.	0.030	0.050		N.D.	0.031	0.051		
Pyrene	ug/l		N.D.	0.010	0.050		0.091	0.010	0.051		
Total Hardness as CaCO <sub>3</sub>	mg/l			14.7	0.064	0.20		19.2	0.064	0.20	
Arsenic	mg/l			N.D.	0.0068	0.0200		N.D.	0.0068	0.0200	
Barium	mg/l			0.0337	0.00033	0.0050		0.0880	0.00033	0.0050	
Cadmium	mg/l			N.D.	0.00036	0.0050		N.D.	0.00036	0.0050	
Calcium	mg/l			3.25	0.0640	0.200		3.75	0.0640	0.200	
Chromium	mg/l			0.0034	J	0.0011	0.0150	0.0111	J	0.0011	0.0150
Lead	mg/l			N.D.	0.0051	0.0150		0.0099	J	0.0051	0.0150
Magnesium	mg/l			1.61	0.0606	0.100		2.40	0.0606	0.100	
Nickel	mg/l			0.0029	J	0.0011	0.0100	0.0096	J	0.0011	0.0100
Selenium	mg/l			N.D.	0.0075	0.0200		N.D.	0.0075	0.0200	
Silver	mg/l			N.D.	0.0012	0.0050		N.D.	0.0012	0.0050	
Vanadium	mg/l			0.0038	J	0.0013	0.0050	0.0160	0.0013	0.0050	
Mercury	mg/l			N.D.	0.000070	0.00020		N.D.	0.000070	0.00020	

Analysis Name	Units	7021887 WS-007(0.5 1.0)041313			7021888 WS-006(SURFACE)041313		
		Result	MDL**	LOQ	Result	MDL**	LOQ
Acetone	ug/l	N.D.	3.0	5.0	N.D.	3.0	5.0
Allyl Chloride	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Benzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromobenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromoform	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5

\*\* = This limit was used in the evaluation of the final result

Bromodichloromethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Bromoform	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Bromomethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
2-Butanone	ug/l		N.D.	1.0	5.0	N.D.	1.0	5.0
n-Butylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
sec-Butylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
tert-Butylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Carbon Tetrachloride	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Chlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Chloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Chloroform	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Chloromethane	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
2-Chlorotoluene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
4-Chlorotoluene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dibromo-3-chloropropane	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
Dibromochloromethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dibromoethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dibromomethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,3-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,4-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dichlorodifluoromethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dichloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
cis-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
trans-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dichlorofluoromethane	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
1,2-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,3-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
2,2-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloropropene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
cis-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5

\*\* = This limit was used in the evaluation of the final result

trans-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Ethyl ether	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Ethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Freon 113	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
Hexachlorobutadiene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Isopropylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
p-Isopropyltoluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Methyl Tertiary Butyl Ether	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
4-Methyl-2-Pentanone	ug/l		N.D.	1.0	5.0		N.D.	1.0	5.0
Methylene Chloride	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
n-Propylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Styrene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,1,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,2,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Tetrachloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Tetrahydrofuran	ug/l		N.D.	2.0	5.0		N.D.	2.0	5.0
Toluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,3-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,4-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,1-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,2-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Trichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Trichlorofluoromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,3-Trichloropropane	ug/l		N.D.	0.3	1.0		N.D.	0.3	1.0
1,2,4-Trimethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,3,5-Trimethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Vinyl Chloride	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Xylene (Total)	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Acenaphthene	ug/l		N.D.	0.010	0.051		N.D.	0.010	0.051
Acenaphthylene	ug/l		N.D.	0.010	0.051		N.D.	0.010	0.051
Anthracene	ug/l		0.020 J	0.010	0.051		N.D.	0.010	0.051
Benzo(a)anthracene	ug/l		N.D.	0.010	0.051		N.D.	0.010	0.051
Benzo(a)pyrene	ug/l		N.D.	0.010	0.051		N.D.	0.010	0.051

\*\* = This limit was used in the evaluation of the final result

Benzo(b)fluoranthene	ug/l		0.013	J	0.010	0.051		N.D.	0.010	0.051
Benzo(g,h,i)perylene	ug/l			N.D.	0.010	0.051		N.D.	0.010	0.051
Benzo(k)fluoranthene	ug/l			N.D.	0.010	0.051		N.D.	0.010	0.051
Chrysene	ug/l		0.020	J	0.010	0.051		N.D.	0.010	0.051
Dibenz(a,h)anthracene	ug/l			N.D.	0.010	0.051		N.D.	0.010	0.051
Fluoranthene	ug/l		0.079		0.010	0.051		N.D.	0.010	0.051
Fluorene	ug/l			N.D.	0.010	0.051		N.D.	0.010	0.051
Indeno(1,2,3-cd)pyrene	ug/l			N.D.	0.010	0.051		N.D.	0.010	0.051
1-Methylnaphthalene	ug/l			N.D.	0.010	0.051		N.D.	0.010	0.051
2-Methylnaphthalene	ug/l			N.D.	0.010	0.051		N.D.	0.010	0.051
Naphthalene	ug/l			N.D.	0.031	0.051	0.11	0.030	0.051	
Phenanthrene	ug/l			N.D.	0.031	0.051		N.D.	0.030	0.051
Pyrene	ug/l		0.071		0.010	0.051		N.D.	0.010	0.051
Total Hardness as CaCO <sub>3</sub>	mg/l		20.1		0.064	0.20	14.8	0.064	0.20	
Arsenic	mg/l			N.D.	0.0068	0.0200		N.D.	0.0068	0.0200
Barium	mg/l		0.0938		0.00033	0.0050	0.0335	0.00033	0.0050	
Cadmium	mg/l			N.D.	0.00036	0.0050		N.D.	0.00036	0.0050
Calcium	mg/l		3.94		0.0640	0.200	3.18	0.0640	0.200	
Chromium	mg/l		0.0118	J	0.0011	0.0150	0.0032	J	0.0011	0.0150
Lead	mg/l		0.0094	J	0.0051	0.0150		N.D.	0.0051	0.0150
Magnesium	mg/l		2.49		0.0606	0.100	1.66	0.0606	0.100	
Nickel	mg/l		0.0099	J	0.0011	0.0100	0.0026	J	0.0011	0.0100
Selenium	mg/l			N.D.	0.0075	0.0200		N.D.	0.0075	0.0200
Silver	mg/l			N.D.	0.0012	0.0050		N.D.	0.0012	0.0050
Vanadium	mg/l		0.0181		0.0013	0.0050	0.0042	J	0.0013	0.0050
Mercury	mg/l			N.D.	0.000070	0.00020		N.D.	0.000070	0.00020

Analysis Name	Units	7021889			7021890		
		WS-006(0.5-			WS-DUP5-041313		
		1.0)041313	Result	MDL**	LOQ	Result	MDL**
Acetone	ug/l		N.D.	3.0	5.0		N.D.
Allyl Chloride	ug/l		N.D.	0.1	0.5		N.D.

Benzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Bromobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Bromo-chloromethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Bromo-dichloromethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Bromoform	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Bromomethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
2-Butanone	ug/l		N.D.	1.0	5.0	N.D.	1.0	5.0
n-Butylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
sec-Butylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
tert-Butylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Carbon Tetrachloride	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Chlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Chloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Chloroform	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Chloromethane	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
2-Chlorotoluene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
4-Chlorotoluene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dibromo-3-chloropropane	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
Dibromo-chloromethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dibromoethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dibromomethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,3-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,4-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dichlorodifluoromethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dichloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
cis-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
trans-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dichlorofluoromethane	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
1,2-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,3-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5

\*\* = This limit was used in the evaluation of the final result

2,2-Dichloropropane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1-Dichloropropene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
cis-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
trans-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Ethyl ether	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Ethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Freon 113	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
Hexachlorobutadiene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Isopropylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
p-Isopropyltoluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Methyl Tertiary Butyl Ether	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
4-Methyl-2-Pentanone	ug/l		N.D.	1.0	5.0		N.D.	1.0	5.0
Methylene Chloride	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
n-Propylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Styrene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,1,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,2,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Tetrachloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Tetrahydrofuran	ug/l		N.D.	2.0	5.0		N.D.	2.0	5.0
Toluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,3-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,4-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,1-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,2-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Trichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Trichlorofluoromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,3-Trichloropropane	ug/l		N.D.	0.3	1.0		N.D.	0.3	1.0
1,2,4-Trimethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,3,5-Trimethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Vinyl Chloride	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Xylene (Total)	ug/l		N.D.	0.1	0.5	0.1	J	0.1	0.5
Acenaphthene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051
Acenaphthylene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051

\*\* = This limit was used in the evaluation of the final result

Anthracene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051	
Benzo(a)anthracene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051	
Benzo(a)pyrene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051	
Benzo(b)fluoranthene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051	
Benzo(g,h,i)perylene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051	
Benzo(k)fluoranthene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051	
Chrysene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051	
Dibenz(a,h)anthracene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051	
Fluoranthene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051	
Fluorene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051	
Indeno(1,2,3-cd)pyrene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051	
1-Methylnaphthalene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051	
2-Methylnaphthalene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051	
Naphthalene	ug/l		N.D.	0.031	0.052		N.D.	0.030	0.051	
Phenanthrene	ug/l		N.D.	0.031	0.052		N.D.	0.030	0.051	
Pyrene	ug/l		N.D.	0.010	0.052		N.D.	0.010	0.051	
Total Hardness as CaCO <sub>3</sub>	mg/l			15.7	0.064	0.20		14.6	0.064	0.20
Arsenic	mg/l			N.D.	0.0068	0.0200		N.D.	0.0068	0.0200
Barium	mg/l			0.0360	0.00033	0.0050		0.0172	0.00033	0.0050
Cadmium	mg/l			N.D.	0.00036	0.0050		N.D.	0.00036	0.0050
Calcium	mg/l			3.45	0.0640	0.200		3.31	0.0640	0.200
Chromium	mg/l			0.0042 J	0.0011	0.0150		N.D.	0.0011	0.0150
Lead	mg/l			N.D.	0.0051	0.0150		N.D.	0.0051	0.0150
Magnesium	mg/l			1.71	0.0606	0.100		1.55	0.0606	0.100
Nickel	mg/l			0.0034 J	0.0011	0.0100		0.0012 J	0.0011	0.0100
Selenium	mg/l			N.D.	0.0075	0.0200		N.D.	0.0075	0.0200
Silver	mg/l			N.D.	0.0012	0.0050		N.D.	0.0012	0.0050
Vanadium	mg/l			0.0040 J	0.0013	0.0050		N.D.	0.0013	0.0050
Mercury	mg/l			N.D.	0.000070	0.00020		N.D.	0.000070	0.00020

7021891  
WS-TB-09-  
041313

Analysis Name

Units

		Result	MDL**	LOQ
Acetone	ug/l	N.D.	3.0	5.0
Allyl Chloride	ug/l	N.D.	0.1	0.5
Benzene	ug/l	N.D.	0.1	0.5
Bromobenzene	ug/l	N.D.	0.1	0.5
Bromochloromethane	ug/l	N.D.	0.1	0.5
Bromodichloromethane	ug/l	N.D.	0.1	0.5
Bromoform	ug/l	N.D.	0.1	0.5
Bromomethane	ug/l	N.D.	0.1	0.5
2-Butanone	ug/l	N.D.	1.0	5.0
n-Butylbenzene	ug/l	N.D.	0.1	0.5
sec-Butylbenzene	ug/l	N.D.	0.1	0.5
tert-Butylbenzene	ug/l	N.D.	0.1	0.5
Carbon Tetrachloride	ug/l	N.D.	0.1	0.5
Chlorobenzene	ug/l	N.D.	0.1	0.5
Chloroethane	ug/l	N.D.	0.1	0.5
Chloroform	ug/l	N.D.	0.1	0.5
Chloromethane	ug/l	N.D.	0.2	0.5
2-Chlorotoluene	ug/l	N.D.	0.1	0.5
4-Chlorotoluene	ug/l	N.D.	0.1	0.5
1,2-Dibromo-3-chloropropane	ug/l	N.D.	0.2	0.5
Dibromochloromethane	ug/l	N.D.	0.1	0.5
1,2-Dibromoethane	ug/l	N.D.	0.1	0.5
Dibromomethane	ug/l	N.D.	0.1	0.5
1,2-Dichlorobenzene	ug/l	N.D.	0.1	0.5
1,3-Dichlorobenzene	ug/l	N.D.	0.1	0.5
1,4-Dichlorobenzene	ug/l	N.D.	0.1	0.5
Dichlorodifluoromethane	ug/l	N.D.	0.1	0.5
1,1-Dichloroethane	ug/l	N.D.	0.1	0.5
1,2-Dichloroethane	ug/l	N.D.	0.1	0.5
1,1-Dichloroethene	ug/l	N.D.	0.1	0.5
cis-1,2-Dichloroethene	ug/l	N.D.	0.1	0.5
trans-1,2-Dichloroethene	ug/l	N.D.	0.1	0.5

\*\* = This limit was used in the evaluation of the final result

Dichlorofluoromethane	ug/l	N.D.	0.2	0.5
1,2-Dichloropropane	ug/l	N.D.	0.1	0.5
1,3-Dichloropropane	ug/l	N.D.	0.1	0.5
2,2-Dichloropropane	ug/l	N.D.	0.1	0.5
1,1-Dichloropropene	ug/l	N.D.	0.1	0.5
cis-1,3-Dichloropropene	ug/l	N.D.	0.1	0.5
trans-1,3-Dichloropropene	ug/l	N.D.	0.1	0.5
Ethyl ether	ug/l	N.D.	0.1	0.5
Ethylbenzene	ug/l	N.D.	0.1	0.5
Freon 113	ug/l	N.D.	0.2	0.5
Hexachlorobutadiene	ug/l	N.D.	0.1	0.5
Isopropylbenzene	ug/l	N.D.	0.1	0.5
p-Isopropyltoluene	ug/l	N.D.	0.1	0.5
Methyl Tertiary Butyl Ether	ug/l	N.D.	0.1	0.5
4-Methyl-2-Pentanone	ug/l	N.D.	1.0	5.0
Methylene Chloride	ug/l	N.D.	0.2	0.5
n-Propylbenzene	ug/l	N.D.	0.1	0.5
Styrene	ug/l	N.D.	0.1	0.5
1,1,1,2-Tetrachloroethane	ug/l	N.D.	0.1	0.5
1,1,2,2-Tetrachloroethane	ug/l	N.D.	0.1	0.5
Tetrachloroethene	ug/l	N.D.	0.1	0.5
Tetrahydrofuran	ug/l	N.D.	2.0	5.0
Toluene	ug/l	N.D.	0.1	0.5
1,2,3-Trichlorobenzene	ug/l	N.D.	0.1	0.5
1,2,4-Trichlorobenzene	ug/l	N.D.	0.1	0.5
1,1,1-Trichloroethane	ug/l	N.D.	0.1	0.5
1,1,2-Trichloroethane	ug/l	N.D.	0.1	0.5
Trichloroethene	ug/l	N.D.	0.1	0.5
Trichlorofluoromethane	ug/l	N.D.	0.1	0.5
1,2,3-Trichloropropane	ug/l	N.D.	0.3	1.0
1,2,4-Trimethylbenzene	ug/l	N.D.	0.1	0.5
1,3,5-Trimethylbenzene	ug/l	N.D.	0.1	0.5
Vinyl Chloride	ug/l	N.D.	0.1	0.5

\*\* = This limit was used in the evaluation of the final result

Xylene (Total)	ug/l	N.D.	0.1	0.5
Acenaphthene	ug/l	n.a.	n.a.	
Acenaphthylene	ug/l	n.a.	n.a.	
Anthracene	ug/l	n.a.	n.a.	
Benzo(a)anthracene	ug/l	n.a.	n.a.	
Benzo(a)pyrene	ug/l	n.a.	n.a.	
Benzo(b)fluoranthene	ug/l	n.a.	n.a.	
Benzo(g,h,i)perylene	ug/l	n.a.	n.a.	
Benzo(k)fluoranthene	ug/l	n.a.	n.a.	
Chrysene	ug/l	n.a.	n.a.	
Dibenz(a,h)anthracene	ug/l	n.a.	n.a.	
Fluoranthene	ug/l	n.a.	n.a.	
Fluorene	ug/l	n.a.	n.a.	
Indeno(1,2,3-cd)pyrene	ug/l	n.a.	n.a.	
1-Methylnaphthalene	ug/l	n.a.	n.a.	
2-Methylnaphthalene	ug/l	n.a.	n.a.	
Naphthalene	ug/l	n.a.	n.a.	
Phenanthrene	ug/l	n.a.	n.a.	
Pyrene	ug/l	n.a.	n.a.	
Total Hardness as CaCO <sub>3</sub>	mg/l	n.a.	n.a.	
Arsenic	mg/l	n.a.	n.a.	
Barium	mg/l	n.a.	n.a.	
Cadmium	mg/l	n.a.	n.a.	
Calcium	mg/l	n.a.	n.a.	
Chromium	mg/l	n.a.	n.a.	
Lead	mg/l	n.a.	n.a.	
Magnesium	mg/l	n.a.	n.a.	
Nickel	mg/l	n.a.	n.a.	
Selenium	mg/l	n.a.	n.a.	
Silver	mg/l	n.a.	n.a.	
Vanadium	mg/l	n.a.	n.a.	
Mercury	mg/l	n.a.	n.a.	

CAT No.	Analysis Name	Method	Trial ID	Batch	Analysis Date/Time	Analyst	Dilution
<b>7021877 WS-005(SURFACE)041313 Grab Surface Water</b>							
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	G131042AA	4/14/13 2255	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131042AA	4/14/13 2255	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13104WAA026	4/15/13 0628	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13104WAA026	4/14/13 1700	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131056256001	4/15/13 0630	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131041848001	4/15/13 0321	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	131041848001	4/15/13 0321	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	131041848001	4/15/13 0321	Tara L Snyder	1
01750	Calcium	SW-846 6010B	1	131041848001	4/15/13 0321	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	131041848001	4/15/13 0321	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	131041848001	4/15/13 0321	Tara L Snyder	1
01757	Magnesium	SW-846 6010B	1	131041848001	4/15/13 0321	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	131041848001	4/15/13 0321	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	131041848001	4/15/13 0321	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131041848001	4/15/13 0321	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	131041848001	4/15/13 0321	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	131045713005	4/15/13 1123	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131041848001	4/14/13 2110	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131045713005	4/15/13 0655	Damary Valentin	1
<b>7021878 WS-003(SURFACE)041313 Grab Surface Water</b>							
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	G131042AA	4/14/13 2316	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131042AA	4/14/13 2316	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13104WAA026	4/15/13 0655	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13104WAA026	4/14/13 1700	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131056256001	4/15/13 0630	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131041848001	4/15/13 0344	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	131041848001	4/15/13 0344	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	131041848001	4/15/13 0344	Tara L Snyder	1

01750	Calcium	SW-846 6010B	1 131041848001	4/15/13 0344	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1 131041848001	4/15/13 0344	Tara L Snyder	1
07055	Lead	SW-846 6010B	1 131041848001	4/15/13 0344	Tara L Snyder	1
01757	Magnesium	SW-846 6010B	1 131041848001	4/15/13 0344	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1 131041848001	4/15/13 0344	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1 131041848001	4/15/13 0344	Tara L Snyder	1
07066	Silver	SW-846 6010B	1 131041848001	4/15/13 0344	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1 131041848001	4/15/13 0344	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1 131045713005	4/15/13 1125	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131041848001	4/14/13 2110	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131045713005	4/15/13 0655	Damary Valentin	1

**7021879 WS-002(SURFACE)041313 Grab Surface Water**

02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131042AA	4/14/13 2338	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131042AA	4/14/13 2338	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13104WAA026	4/15/13 0722	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13104WAA026	4/14/13 1700	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131056256001	4/15/13 0630	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131041848001	4/15/13 0347	Tara L Snyder	1
07046	Barium	SW-846 6010B	1 131041848001	4/15/13 0347	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1 131041848001	4/15/13 0347	Tara L Snyder	1
01750	Calcium	SW-846 6010B	1 131041848001	4/15/13 0347	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1 131041848001	4/15/13 0347	Tara L Snyder	1
07055	Lead	SW-846 6010B	1 131041848001	4/15/13 0347	Tara L Snyder	1
01757	Magnesium	SW-846 6010B	1 131041848001	4/15/13 0347	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1 131041848001	4/15/13 0347	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1 131041848001	4/15/13 0347	Tara L Snyder	1
07066	Silver	SW-846 6010B	1 131041848001	4/15/13 0347	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1 131041848001	4/15/13 0347	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1 131045713005	4/15/13 1133	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131041848001	4/14/13 2110	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131045713005	4/15/13 0655	Damary Valentin	1

**7021880 WS-BKG-001(SURFACE)041313 Grab Surface Water**

02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131042AA	4/15/13 0000	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131042AA	4/15/13 0000	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13104WAA026	4/15/13 0749	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13104WAA026	4/14/13 1700	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131056256001	4/15/13 0630	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131041848001	4/15/13 0358	Tara L Snyder	1
07046	Barium	SW-846 6010B	1 131041848001	4/15/13 0358	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1 131041848001	4/15/13 0358	Tara L Snyder	1
01750	Calcium	SW-846 6010B	1 131041848001	4/15/13 0358	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1 131041848001	4/15/13 0358	Tara L Snyder	1
07055	Lead	SW-846 6010B	1 131041848001	4/15/13 0358	Tara L Snyder	1
01757	Magnesium	SW-846 6010B	1 131041848001	4/15/13 0358	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1 131041848001	4/15/13 0358	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1 131041848001	4/15/13 0358	Tara L Snyder	1
07066	Silver	SW-846 6010B	1 131041848001	4/15/13 0358	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1 131041848001	4/15/13 0358	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1 131045713005	4/15/13 1135	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131041848001	4/14/13 2110	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131045713005	4/15/13 0655	Damary Valentin	1

**7021881 WS-008(SURFACE)041313 Grab Surface Water**

02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131042AA	4/15/13 0337	Kevin A Sposito	2
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131051AA	4/15/13 1022	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131042AA	4/15/13 0337	Kevin A Sposito	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2 G131051AA	4/15/13 1022	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13104WAA026	4/15/13 0816	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13104WAA026	4/14/13 1700	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131056256001	4/15/13 0630	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131041848001	4/15/13 0402	Tara L Snyder	1
07046	Barium	SW-846 6010B	1 131041848001	4/15/13 0402	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1 131041848001	4/15/13 0402	Tara L Snyder	1

01750	Calcium	SW-846 6010B	1 131041848001	4/15/13 0402	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1 131041848001	4/15/13 0402	Tara L Snyder	1
07055	Lead	SW-846 6010B	1 131041848001	4/15/13 0402	Tara L Snyder	1
01757	Magnesium	SW-846 6010B	1 131041848001	4/15/13 0402	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1 131041848001	4/15/13 0402	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1 131041848001	4/15/13 0402	Tara L Snyder	1
07066	Silver	SW-846 6010B	1 131041848001	4/15/13 0402	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1 131041848001	4/15/13 0402	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1 131045713005	4/15/13 1137	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131041848001	4/14/13 2110	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131045713005	4/15/13 0655	Damary Valentin	1

**7021882 WS-004(SURFACE)041313 Grab Surface Water**

02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131042AA	4/15/13 0022	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131042AA	4/15/13 0022	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13104WAA026	4/15/13 0843	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13104WAA026	4/14/13 1700	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131056256001	4/15/13 0630	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131041848001	4/15/13 0406	Tara L Snyder	1
07046	Barium	SW-846 6010B	1 131041848001	4/15/13 0406	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1 131041848001	4/15/13 0406	Tara L Snyder	1
01750	Calcium	SW-846 6010B	1 131041848001	4/15/13 0406	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1 131041848001	4/15/13 0406	Tara L Snyder	1
07055	Lead	SW-846 6010B	1 131041848001	4/15/13 0406	Tara L Snyder	1
01757	Magnesium	SW-846 6010B	1 131041848001	4/15/13 0406	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1 131041848001	4/15/13 0406	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1 131041848001	4/15/13 0406	Tara L Snyder	1
07066	Silver	SW-846 6010B	1 131041848001	4/15/13 0406	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1 131041848001	4/15/13 0406	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1 131045713005	4/15/13 1143	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131041848001	4/14/13 2110	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131045713005	4/15/13 0655	Damary Valentin	1

**7021883 WS-004(0.5-1.0)041313 Grab Surface Water**

02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131042AA	4/15/13 0043	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131042AA	4/15/13 0043	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13104WAA026	4/15/13 0910	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13104WAA026	4/14/13 1700	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131056256001	4/15/13 0630	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131041848001	4/15/13 0409	Tara L Snyder	1
07046	Barium	SW-846 6010B	1 131041848001	4/15/13 0409	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1 131041848001	4/15/13 0409	Tara L Snyder	1
01750	Calcium	SW-846 6010B	1 131041848001	4/15/13 0409	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1 131041848001	4/15/13 0409	Tara L Snyder	1
07055	Lead	SW-846 6010B	1 131041848001	4/15/13 0409	Tara L Snyder	1
01757	Magnesium	SW-846 6010B	1 131041848001	4/15/13 0409	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1 131041848001	4/15/13 0409	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1 131041848001	4/15/13 0409	Tara L Snyder	1
07066	Silver	SW-846 6010B	1 131041848001	4/15/13 0409	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1 131041848001	4/15/13 0409	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1 131045713005	4/15/13 1145	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131041848001	4/14/13 2110	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131045713005	4/15/13 0655	Damary Valentin	1

**7021884 WS-001(SURFACE)041313 Grab Surface Water**

02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131042AA	4/15/13 0105	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131042AA	4/15/13 0105	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13104WAA026	4/15/13 0937	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13104WAA026	4/14/13 1700	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131056256001	4/15/13 0630	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131041848001	4/15/13 0413	Tara L Snyder	1
07046	Barium	SW-846 6010B	1 131041848001	4/15/13 0413	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1 131041848001	4/15/13 0413	Tara L Snyder	1
01750	Calcium	SW-846 6010B	1 131041848001	4/15/13 0413	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1 131041848001	4/15/13 0413	Tara L Snyder	1
07055	Lead	SW-846 6010B	1 131041848001	4/15/13 0413	Tara L Snyder	1

01757	Magnesium	SW-846 6010B	1 131041848001	4/15/13 0413	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1 131041848001	4/15/13 0413	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1 131041848001	4/15/13 0413	Tara L Snyder	1
07066	Silver	SW-846 6010B	1 131041848001	4/15/13 0413	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1 131041848001	4/15/13 0413	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1 131045713005	4/15/13 1147	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131041848001	4/14/13 2110	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131045713005	4/15/13 0655	Damary Valentin	1

**7021885 WS-001(0.5-1.0)041313 Grab Surface Water**

02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131042AA	4/15/13 0127	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131042AA	4/15/13 0127	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13104WAA026	4/15/13 1004	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13104WAA026	4/14/13 1700	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131056256001	4/15/13 0630	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131041848001	4/15/13 0417	Tara L Snyder	1
07046	Barium	SW-846 6010B	1 131041848001	4/15/13 0417	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1 131041848001	4/15/13 0417	Tara L Snyder	1
01750	Calcium	SW-846 6010B	1 131041848001	4/15/13 0417	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1 131041848001	4/15/13 0417	Tara L Snyder	1
07055	Lead	SW-846 6010B	1 131041848001	4/15/13 0417	Tara L Snyder	1
01757	Magnesium	SW-846 6010B	1 131041848001	4/15/13 0417	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1 131041848001	4/15/13 0417	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1 131041848001	4/15/13 0417	Tara L Snyder	1
07066	Silver	SW-846 6010B	1 131041848001	4/15/13 0417	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1 131041848001	4/15/13 0417	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1 131045713005	4/15/13 1149	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131041848001	4/14/13 2110	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131045713005	4/15/13 0655	Damary Valentin	1

**7021886 WS-007(SURFACE)041313 Grab Surface Water**

02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131042AA	4/15/13 0148	Kevin A Sposito	1
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01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131042AA	4/15/13 0148	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13104WAA026	4/15/13 1032	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13104WAA026	4/14/13 1700	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131056256001	4/15/13 0630	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131041848001	4/15/13 0420	Tara L Snyder	1
07046	Barium	SW-846 6010B	1 131041848001	4/15/13 0420	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1 131041848001	4/15/13 0420	Tara L Snyder	1
01750	Calcium	SW-846 6010B	1 131041848001	4/15/13 0420	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1 131041848001	4/15/13 0420	Tara L Snyder	1
07055	Lead	SW-846 6010B	1 131041848001	4/15/13 0420	Tara L Snyder	1
01757	Magnesium	SW-846 6010B	1 131041848001	4/15/13 0420	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1 131041848001	4/15/13 0420	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1 131041848001	4/15/13 0420	Tara L Snyder	1
07066	Silver	SW-846 6010B	1 131041848001	4/15/13 0420	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1 131041848001	4/15/13 0420	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1 131045713005	4/15/13 1151	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131041848001	4/14/13 2110	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131045713005	4/15/13 0655	Damary Valentin	1

**7021887 WS-007(0.5-1.0)041313 Grab Surface Water**

02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131042AA	4/15/13 0210	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131042AA	4/15/13 0210	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13104WAA026	4/15/13 1059	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13104WAA026	4/14/13 1700	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131056256001	4/15/13 0630	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131041848001	4/15/13 0424	Tara L Snyder	1
07046	Barium	SW-846 6010B	1 131041848001	4/15/13 0424	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1 131041848001	4/15/13 0424	Tara L Snyder	1
01750	Calcium	SW-846 6010B	1 131041848001	4/15/13 0424	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1 131041848001	4/15/13 0424	Tara L Snyder	1
07055	Lead	SW-846 6010B	1 131041848001	4/15/13 0424	Tara L Snyder	1
01757	Magnesium	SW-846 6010B	1 131041848001	4/15/13 0424	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1 131041848001	4/15/13 0424	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1 131041848001	4/15/13 0424	Tara L Snyder	1

07066	Silver	SW-846 6010B	1 131041848001	4/15/13 0424	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1 131041848001	4/15/13 0424	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1 131045713005	4/15/13 1153	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131041848001	4/14/13 2110	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131045713005	4/15/13 0655	Damary Valentin	1

**7021888 WS-006(SURFACE)041313 Grab Surface Water**

02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131042AA	4/15/13 0232	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131042AA	4/15/13 0232	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13104WAA026	4/15/13 1126	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13104WAA026	4/14/13 1700	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131056256001	4/15/13 0630	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131041848001	4/15/13 0427	Tara L Snyder	1
07046	Barium	SW-846 6010B	1 131041848001	4/15/13 0427	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1 131041848001	4/15/13 0427	Tara L Snyder	1
01750	Calcium	SW-846 6010B	1 131041848001	4/15/13 0427	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1 131041848001	4/15/13 0427	Tara L Snyder	1
07055	Lead	SW-846 6010B	1 131041848001	4/15/13 0427	Tara L Snyder	1
01757	Magnesium	SW-846 6010B	1 131041848001	4/15/13 0427	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1 131041848001	4/15/13 0427	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1 131041848001	4/15/13 0427	Tara L Snyder	1
07066	Silver	SW-846 6010B	1 131041848001	4/15/13 0427	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1 131041848001	4/15/13 0427	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1 131045713005	4/15/13 1155	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131041848001	4/14/13 2110	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131045713005	4/15/13 0655	Damary Valentin	1

**7021889 WS-006(0.5-1.0)041313 Grab Surface Water**

02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131042AA	4/15/13 0253	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131042AA	4/15/13 0253	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13104WAA026	4/15/13 1153	Brian K Graham	1

10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13104WAA026	4/14/13 1700	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131056256001	4/15/13 0630	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131041848001	4/15/13 0431	Tara L Snyder	1
07046	Barium	SW-846 6010B	1 131041848001	4/15/13 0431	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1 131041848001	4/15/13 0431	Tara L Snyder	1
01750	Calcium	SW-846 6010B	1 131041848001	4/15/13 0431	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1 131041848001	4/15/13 0431	Tara L Snyder	1
07055	Lead	SW-846 6010B	1 131041848001	4/15/13 0431	Tara L Snyder	1
01757	Magnesium	SW-846 6010B	1 131041848001	4/15/13 0431	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1 131041848001	4/15/13 0431	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1 131041848001	4/15/13 0431	Tara L Snyder	1
07066	Silver	SW-846 6010B	1 131041848001	4/15/13 0431	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1 131041848001	4/15/13 0431	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1 131045713005	4/15/13 1157	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131041848001	4/14/13 2110	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131045713005	4/15/13 0655	Damary Valentin	1

**7021890 WS-DUP5-041313 Grab Surface Water**

02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131042AA	4/15/13 0315	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131042AA	4/15/13 0315	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13104WAA026	4/15/13 1220	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13104WAA026	4/14/13 1700	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131056256001	4/15/13 0630	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131041848001	4/15/13 0442	Tara L Snyder	1
07046	Barium	SW-846 6010B	1 131041848001	4/15/13 0442	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1 131041848001	4/15/13 0442	Tara L Snyder	1
01750	Calcium	SW-846 6010B	1 131041848001	4/15/13 0442	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1 131041848001	4/15/13 0442	Tara L Snyder	1
07055	Lead	SW-846 6010B	1 131041848001	4/15/13 0442	Tara L Snyder	1
01757	Magnesium	SW-846 6010B	1 131041848001	4/15/13 0442	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1 131041848001	4/15/13 0442	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1 131041848001	4/15/13 0442	Tara L Snyder	1
07066	Silver	SW-846 6010B	1 131041848001	4/15/13 0442	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1 131041848001	4/15/13 0442	Tara L Snyder	1

00259	Mercury	SW-846 7470A	1 131045713005	4/15/13 1159	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131041848001	4/14/13 2110	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131045713005	4/15/13 0655	Damary Valentin	1
<b>7021891 WS-TB-09-041313 Water</b>						
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131042AA	4/14/13 2023	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131042AA	4/14/13 2023	Kevin A Sposito	1

Client Name: ExxonMobil

Group Number: 1382743

**Laboratory Compliance Quality Control**

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	Max RPD
Batch number: G131042AA		Sample number(s): 7021877-7021891							
Acetone	N.D.	3.0		5.0 ug/l	102		73-135		
Allyl Chloride	N.D.	0.1		0.5 ug/l	125		61-130		
Benzene	N.D.	0.1		0.5 ug/l	99		80-120		
Bromobenzene	N.D.	0.1		0.5 ug/l	103		80-120		
Bromochloromethane	N.D.	0.1		0.5 ug/l	106		80-125		
Bromodichloromethane	N.D.	0.1		0.5 ug/l	97		80-120		
Bromoform	N.D.	0.1		0.5 ug/l	93		63-132		
Bromomethane	N.D.	0.1		0.5 ug/l	90		38-146		
2-Butanone	N.D.	1.0		5.0 ug/l	95		70-130		
n-Butylbenzene	N.D.	0.1		0.5 ug/l	108		80-120		
sec-Butylbenzene	N.D.	0.1		0.5 ug/l	107		80-120		
tert-Butylbenzene	N.D.	0.1		0.5 ug/l	107		80-120		
Carbon Tetrachloride	N.D.	0.1		0.5 ug/l	104		74-133		
Chlorobenzene	N.D.	0.1		0.5 ug/l	104		80-120		
Chloroethane	N.D.	0.1		0.5 ug/l	91		67-124		
Chloroform	N.D.	0.1		0.5 ug/l	100		80-120		
Chloromethane	N.D.	0.2		0.5 ug/l	79		55-135		
2-Chlorotoluene	N.D.	0.1		0.5 ug/l	106		80-120		
4-Chlorotoluene	N.D.	0.1		0.5 ug/l	105		80-120		
1,2-Dibromo-3-chloropropane	N.D.	0.2		0.5 ug/l	92		57-141		
Dibromochloromethane	N.D.	0.1		0.5 ug/l	102		80-126		
1,2-Dibromoethane	N.D.	0.1		0.5 ug/l	98		80-120		
Dibromomethane	N.D.	0.1		0.5 ug/l	96		80-120		
1,2-Dichlorobenzene	N.D.	0.1		0.5 ug/l	104		80-120		
1,3-Dichlorobenzene	N.D.	0.1		0.5 ug/l	107		80-120		
1,4-Dichlorobenzene	N.D.	0.1		0.5 ug/l	104		80-112		
Dichlorodifluoromethane	N.D.	0.1		0.5 ug/l	69		39-120		
1,1-Dichloroethane	N.D.	0.1		0.5 ug/l	102		80-120		

\* - Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

\*\* = This limit was used in the evaluation of the final result

1,2-Dichloroethane	N.D.	0.1	0.5	ug/l	95	80-127
1,1-Dichloroethene	N.D.	0.1	0.5	ug/l	105	80-123
cis-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	103	80-120
trans-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	104	80-120
Dichlorofluoromethane	N.D.	0.2	0.5	ug/l	109	63-149
1,2-Dichloropropane	N.D.	0.1	0.5	ug/l	105	80-120
1,3-Dichloropropane	N.D.	0.1	0.5	ug/l	100	80-120
2,2-Dichloropropane	N.D.	0.1	0.5	ug/l	99	75-122
1,1-Dichloropropene	N.D.	0.1	0.5	ug/l	101	80-121
cis-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	103	74-120
trans-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	96	73-126
Ethyl ether	N.D.	0.1	0.5	ug/l	96	59-130
Ethylbenzene	N.D.	0.1	0.5	ug/l	104	80-120
Freon 113	N.D.	0.2	0.5	ug/l	100	78-132
Hexachlorobutadiene	N.D.	0.1	0.5	ug/l	102	61-125
Isopropylbenzene	N.D.	0.1	0.5	ug/l	104	80-120
p-Isopropyltoluene	N.D.	0.1	0.5	ug/l	107	80-120
Methyl Tertiary Butyl Ether	N.D.	0.1	0.5	ug/l	101	80-125
4-Methyl-2-Pentanone	N.D.	1.0	5.0	ug/l	94	69-135
Methylene Chloride	N.D.	0.2	0.5	ug/l	103	80-120
n-Propylbenzene	N.D.	0.1	0.5	ug/l	108	80-120
Styrene	N.D.	0.1	0.5	ug/l	107	80-120
1,1,1,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	104	80-120
1,1,2,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	98	80-125
Tetrachloroethene	N.D.	0.1	0.5	ug/l	104	80-120
Tetrahydrofuran	N.D.	2.0	5.0	ug/l	102	65-131
Toluene	N.D.	0.1	0.5	ug/l	104	80-120
1,2,3-Trichlorobenzene	N.D.	0.1	0.5	ug/l	94	63-120
1,2,4-Trichlorobenzene	N.D.	0.1	0.5	ug/l	98	70-120
1,1,1-Trichloroethane	N.D.	0.1	0.5	ug/l	99	79-127
1,1,2-Trichloroethane	N.D.	0.1	0.5	ug/l	103	80-120
Trichloroethene	N.D.	0.1	0.5	ug/l	104	80-120
Trichlorofluoromethane	N.D.	0.1	0.5	ug/l	93	77-132
1,2,3-Trichloropropane	N.D.	0.3	1.0	ug/l	100	80-120
1,2,4-Trimethylbenzene	N.D.	0.1	0.5	ug/l	107	80-120
1,3,5-Trimethylbenzene	N.D.	0.1	0.5	ug/l	107	80-120
Vinyl Chloride	N.D.	0.1	0.5	ug/l	88	65-127
Xylene (Total)	N.D.	0.1	0.5	ug/l	105	80-120

Batch number: G131051AA

Sample number(s): 7021881

\* - Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

\*\* = This limit was used in the evaluation of the final result

Acetone	N.D.	3.0	5.0	ug/l	108	73-135
Allyl Chloride	N.D.	0.1	0.5	ug/l	126	61-130
Benzene	N.D.	0.1	0.5	ug/l	103	80-120
Bromobenzene	N.D.	0.1	0.5	ug/l	106	80-120
Bromoform	N.D.	0.1	0.5	ug/l	112	80-125
Bromochloromethane	N.D.	0.1	0.5	ug/l	99	80-120
Bromodichloromethane	N.D.	0.1	0.5	ug/l	100	63-132
Bromomethane	N.D.	0.1	0.5	ug/l	97	38-146
2-Butanone	N.D.	1.0	5.0	ug/l	106	70-130
n-Butylbenzene	N.D.	0.1	0.5	ug/l	107	80-120
sec-Butylbenzene	N.D.	0.1	0.5	ug/l	108	80-120
tert-Butylbenzene	N.D.	0.1	0.5	ug/l	108	80-120
Carbon Tetrachloride	N.D.	0.1	0.5	ug/l	108	74-133
Chlorobenzene	N.D.	0.1	0.5	ug/l	108	80-120
Chloroethane	N.D.	0.1	0.5	ug/l	98	67-124
Chloroform	N.D.	0.1	0.5	ug/l	104	80-120
Chloromethane	N.D.	0.2	0.5	ug/l	90	55-135
2-Chlorotoluene	N.D.	0.1	0.5	ug/l	107	80-120
4-Chlorotoluene	N.D.	0.1	0.5	ug/l	109	80-120
1,2-Dibromo-3-chloropropane	N.D.	0.2	0.5	ug/l	97	57-141
Dibromochloromethane	N.D.	0.1	0.5	ug/l	106	80-126
1,2-Dibromoethane	N.D.	0.1	0.5	ug/l	105	80-120
Dibromomethane	N.D.	0.1	0.5	ug/l	102	80-120
1,2-Dichlorobenzene	N.D.	0.1	0.5	ug/l	106	80-120
1,3-Dichlorobenzene	N.D.	0.1	0.5	ug/l	108	80-120
1,4-Dichlorobenzene	N.D.	0.1	0.5	ug/l	105	80-112
Dichlorodifluoromethane	N.D.	0.1	0.5	ug/l	86	39-120
1,1-Dichloroethane	N.D.	0.1	0.5	ug/l	107	80-120
1,2-Dichloroethane	N.D.	0.1	0.5	ug/l	100	80-127
1,1-Dichloroethene	N.D.	0.1	0.5	ug/l	114	80-123
cis-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	108	80-120
trans-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	109	80-120
Dichlorofluoromethane	N.D.	0.2	0.5	ug/l	112	63-149
1,2-Dichloropropane	N.D.	0.1	0.5	ug/l	109	80-120
1,3-Dichloropropane	N.D.	0.1	0.5	ug/l	106	80-120
2,2-Dichloropropane	N.D.	0.1	0.5	ug/l	102	75-122
1,1-Dichloropropene	N.D.	0.1	0.5	ug/l	105	80-121
cis-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	107	74-120

\* - Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

\*\* = This limit was used in the evaluation of the final result

trans-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	100	73-126
Ethyl ether	N.D.	0.1	0.5	ug/l	98	59-130
Ethylbenzene	N.D.	0.1	0.5	ug/l	108	80-120
Freon 113	N.D.	0.2	0.5	ug/l	106	78-132
Hexachlorobutadiene	N.D.	0.1	0.5	ug/l	101	61-125
Isopropylbenzene	N.D.	0.1	0.5	ug/l	108	80-120
p-Isopropyltoluene	N.D.	0.1	0.5	ug/l	108	80-120
Methyl Tertiary Butyl Ether	N.D.	0.1	0.5	ug/l	110	80-125
4-Methyl-2-Pentanone	N.D.	1.0	5.0	ug/l	101	69-135
Methylene Chloride	N.D.	0.2	0.5	ug/l	111	80-120
n-Propylbenzene	N.D.	0.1	0.5	ug/l	109	80-120
Styrene	N.D.	0.1	0.5	ug/l	111	80-120
1,1,1,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	106	80-120
1,1,2,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	105	80-125
Tetrachloroethene	N.D.	0.1	0.5	ug/l	107	80-120
Tetrahydrofuran	N.D.	2.0	5.0	ug/l	113	65-131
1,2,3-Trichlorobenzene	N.D.	0.1	0.5	ug/l	95	63-120
1,2,4-Trichlorobenzene	N.D.	0.1	0.5	ug/l	100	70-120
1,1,1-Trichloroethane	N.D.	0.1	0.5	ug/l	104	79-127
1,1,2-Trichloroethane	N.D.	0.1	0.5	ug/l	106	80-120
Trichloroethene	N.D.	0.1	0.5	ug/l	107	80-120
Trichlorofluoromethane	N.D.	0.1	0.5	ug/l	98	77-132
1,2,3-Trichloropropane	N.D.	0.3	1.0	ug/l	105	80-120
1,2,4-Trimethylbenzene	N.D.	0.1	0.5	ug/l	107	80-120
1,3,5-Trimethylbenzene	N.D.	0.1	0.5	ug/l	108	80-120
Vinyl Chloride	N.D.	0.1	0.5	ug/l	97	65-127
Xylene (Total)	N.D.	0.1	0.5	ug/l	109	80-120

Batch number: 13104WAA026

Sample number(s): 7021877-7021890

Acenaphthene	N.D.	0.010	0.050	ug/l	113	115	65-124	2	30
Acenaphthylene	N.D.	0.010	0.050	ug/l	120*	122*	72-113	2	30
Anthracene	N.D.	0.010	0.050	ug/l	117	120*	70-117	2	30
Benzo(a)anthracene	N.D.	0.010	0.050	ug/l	121*	122*	75-115	1	30
Benzo(a)pyrene	N.D.	0.010	0.050	ug/l	121*	125*	72-120	3	30
Benzo(b)fluoranthene	N.D.	0.010	0.050	ug/l	129	131*	74-130	1	30
Benzo(g,h,i)perylene	N.D.	0.010	0.050	ug/l	107	107	63-121	0	30
Benzo(k)fluoranthene	N.D.	0.010	0.050	ug/l	123*	125*	74-118	1	30
Chrysene	N.D.	0.010	0.050	ug/l	119*	121*	75-112	1	30

\* - Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

\*\* = This limit was used in the evaluation of the final result

Dibenz(a,h)anthracene	N.D.	0.010	0.050	ug/l	112	112	66-122	0	30
Fluoranthene	N.D.	0.010	0.050	ug/l	122*	125*	73-116	3	30
Fluorene	N.D.	0.010	0.050	ug/l	115	117*	74-115	2	30
Indeno(1,2,3-cd)pyrene	N.D.	0.010	0.050	ug/l	111	111	66-122	0	30
1-Methylnaphthalene	N.D.	0.010	0.050	ug/l	120*	120*	72-114	0	30
2-Methylnaphthalene	N.D.	0.010	0.050	ug/l	123*	123*	74-119	0	30
Naphthalene	N.D.	0.030	0.050	ug/l	117	117	67-118	0	30
Phenanthrene	N.D.	0.030	0.050	ug/l	117*	119*	72-109	2	30
Pyrene	N.D.	0.010	0.050	ug/l	119*	121*	71-116	2	30

Batch number: 131041848001

Sample number(s): 7021877-7021890

Arsenic	N.D.	0.0068	0.0200	mg/l	103	90-113
Barium	N.D.	0.00033	0.0050	mg/l	100	90-110
Cadmium	N.D.	0.00036	0.0050	mg/l	103	90-112
Calcium	N.D.	0.0640	0.200	mg/l	104	90-110
Chromium	N.D.	0.0011	0.0150	mg/l	102	90-110
Lead	N.D.	0.0051	0.0150	mg/l	103	88-110
Magnesium	N.D.	0.0606	0.100	mg/l	101	90-110
Nickel	N.D.	0.0011	0.0100	mg/l	103	90-111
Selenium	N.D.	0.0075	0.0200	mg/l	100	80-120
Silver	N.D.	0.0012	0.0050	mg/l	95	80-120
Vanadium	N.D.	0.0013	0.0050	mg/l	103	90-110

Batch number: 131045713005

Sample number(s): 7021877-7021890

Mercury	N.D.	0.000070	0.00020	mg/l	97	80-120
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### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	DUP RPD Max
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Batch number: G131042AA

Sample number(s): 7021877-7021891 UNSPK: P020621

\* - Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

\*\* = This limit was used in the evaluation of the final result

Acetone	100	93	57-163	6	30
Allyl Chloride	134	134	67-139	0	30
Benzene	107	107	87-126	0	30
Bromobenzene	109	108	80-123	1	30
Bromochloromethane	113	111	82-125	2	30
Bromodichloromethane	100	101	82-133	1	30
Bromoform	98	94	60-138	4	30
Bromomethane	98	98	41-145	0	30
2-Butanone	105	124	63-146	17	30
n-Butylbenzene	116	115	83-131	1	30
sec-Butylbenzene	117	116	84-128	1	30
tert-Butylbenzene	114	115	84-135	0	30
Carbon Tetrachloride	114	116	81-148	2	30
Chlorobenzene	113	112	78-133	1	30
Chloroethane	99	101	70-139	3	30
Chloroform	108	108	86-136	0	30
Chloromethane	87	86	55-152	1	30
2-Chlorotoluene	112	110	81-120	1	30
4-Chlorotoluene	114	112	82-119	2	30
1,2-Dibromo-3-chloropropane	93	100	43-143	7	30
Dibromochloromethane	103	102	79-125	1	30
1,2-Dibromoethane	102	104	84-127	2	30
Dibromomethane	99	101	83-126	1	30
1,2-Dichlorobenzene	109	107	83-117	2	30
1,3-Dichlorobenzene	114	111	81-118	2	30
1,4-Dichlorobenzene	110	108	79-120	2	30
Dichlorodifluoromethane	76	74	28-136	2	30
1,1-Dichloroethane	111	109	88-136	2	30
1,2-Dichloroethane	99	98	82-135	1	30
1,1-Dichloroethene	119	118	83-150	1	30
cis-1,2-Dichloroethene	112	111	82-129	1	30
trans-1,2-Dichloroethene	113	112	88-127	1	30
Dichlorofluoromethane	120	120	59-176	1	30
1,2-Dichloropropane	111	111	91-126	1	30
1,3-Dichloropropane	105	104	80-127	0	30
2,2-Dichloropropane	108	108	80-134	0	30
1,1-Dichloropropene	113	111	86-139	1	30
cis-1,3-Dichloropropene	105	107	74-132	2	30
trans-1,3-Dichloropropene	97	97	71-128	1	30
Ethyl ether	99	97	67-127	1	30

\* - Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

\*\* = This limit was used in the evaluation of the final result

Ethylbenzene	113	113		80-140	1	30
Freon 113	113	109		87-158	4	30
Hexachlorobutadiene	112	112		65-128	1	30
Isopropylbenzene	115	114		81-133	1	30
p-Isopropyltoluene	116	115		84-124	1	30
Methyl Tertiary Butyl Ether	106	104		82-132	2	30
4-Methyl-2-Pentanone	99	97		69-149	2	30
Methylene Chloride	110	108		84-122	1	30
n-Propylbenzene	116	115		79-131	0	30
Styrene	115	113		63-151	1	30
1,1,1,2-Tetrachloroethane	109	108		87-126	1	30
1,1,2,2-Tetrachloroethane	106	101		75-131	5	30
Tetrachloroethene	112	113		75-129	1	30
Tetrahydrofuran	114	266*		56-154	80*	30
Toluene	113	113		83-127	0	30
1,2,3-Trichlorobenzene	99	97		73-125	2	30
1,2,4-Trichlorobenzene	104	104		77-120	1	30
1,1,1-Trichloroethane	111	109		85-140	2	30
1,1,2-Trichloroethane	106	105		85-129	1	30
Trichloroethene	114	113		85-131	1	30
Trichlorofluoromethane	102	103		67-161	1	30
1,2,3-Trichloropropane	100	100		76-120	1	30
1,2,4-Trimethylbenzene	114	113		87-126	1	30
1,3,5-Trimethylbenzene	115	115		89-129	0	30
Vinyl Chloride	98	97		65-151	1	30
Xylene (Total)	114	113		81-137	1	30

Batch number: G131051AA

Sample number(s): 7021881 UNSPK: P018796

Acetone	100	107		57-163	6	30
Allyl Chloride	134	134		67-139	0	30
Benzene	109	110		87-126	1	30
Bromobenzene	108	108		80-123	0	30
Bromoform	94	98		82-125	2	30
Bromomethane	101	100		82-133	3	30
2-Butanone	98	96		60-138	5	30
n-Butylbenzene	115	114		41-145	1	30
				63-146	2	30
				83-131	1	30

\* - Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

\*\* = This limit was used in the evaluation of the final result

sec-Butylbenzene	115	116	84-128	1	30
tert-Butylbenzene	113	114	84-135	1	30
Carbon Tetrachloride	114	117	81-148	3	30
Chlorobenzene	112	112	78-133	0	30
Chloroethane	104	102	70-139	1	30
Chloroform	109	109	86-136	0	30
Chloromethane	95	93	55-152	1	30
2-Chlorotoluene	110	110	81-120	0	30
4-Chlorotoluene	110	111	82-119	1	30
1,2-Dibromo-3-chloropropane	87	89	43-143	3	30
Dibromochloromethane	102	104	79-125	1	30
1,2-Dibromoethane	104	104	84-127	0	30
Dibromomethane	103	104	83-126	1	30
1,2-Dichlorobenzene	107	108	83-117	0	30
1,3-Dichlorobenzene	111	111	81-118	0	30
1,4-Dichlorobenzene	108	109	79-120	1	30
Dichlorodifluoromethane	90	90	28-136	1	30
1,1-Dichloroethane	112	112	88-136	0	30
1,2-Dichloroethane	100	100	82-135	1	30
1,1-Dichloroethene	124	125	83-150	1	30
cis-1,2-Dichloroethene	114	114	82-129	0	30
trans-1,2-Dichloroethene	117	119	88-127	1	30
Dichlorofluoromethane	116	117	59-176	1	30
1,2-Dichloropropane	112	112	91-126	0	30
1,3-Dichloropropane	105	106	80-127	1	30
2,2-Dichloropropane	108	110	80-134	2	30
1,1-Dichloropropene	114	114	86-139	0	30
cis-1,3-Dichloropropene	108	110	74-132	2	30
trans-1,3-Dichloropropene	100	100	71-128	0	30
Ethyl ether	97	99	67-127	2	30
Ethylbenzene	112	112	80-140	1	30
Freon 113	117	120	87-158	3	30
Hexachlorobutadiene	107	108	65-128	1	30
Isopropylbenzene	113	114	81-133	1	30
p-Isopropyltoluene	113	115	84-124	1	30
Methyl Tertiary Butyl Ether	107	110	82-132	2	30
4-Methyl-2-Pentanone	99	102	69-149	3	30
Methylene Chloride	113	114	84-122	1	30
n-Propylbenzene	115	115	79-131	0	30
Styrene	113	115	63-151	2	30

\* - Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

\*\* = This limit was used in the evaluation of the final result

1,1,1,2-Tetrachloroethane	106	109	87-126	3	30
1,1,2,2-Tetrachloroethane	103	104	75-131	1	30
Tetrachloroethene	112	110	75-129	1	30
Tetrahydrofuran	101	101	56-154	0	30
1,2,3-Trichlorobenzene	94	97	73-125	3	30
1,2,4-Trichlorobenzene	100	102	77-120	2	30
1,1,1-Trichloroethane	110	111	85-140	1	30
1,1,2-Trichloroethane	108	108	85-129	0	30
Trichloroethene	114	114	85-131	0	30
Trichlorofluoromethane	104	105	67-161	1	30
1,2,3-Trichloropropane	103	103	76-120	0	30
1,2,4-Trimethylbenzene	111	112	87-126	1	30
1,3,5-Trimethylbenzene	113	114	89-129	1	30
Vinyl Chloride	103	102	65-151	0	30
Xylene (Total)	112	112	81-137	0	30

Batch number: 131041848001

Sample number(s): 7021877-7021890 UNSPK: 7021877 BKG: 7021877

Arsenic	104	103	81-123	0	20	N.D.	N.D.	0 (1)	20
Barium	101	100	78-118	1	20	0.0161	0.0161	0 (1)	20
Cadmium	104	106	83-116	1	20	N.D.	N.D.	0 (1)	20
Calcium	102	101	81-118	0	20	3.32	3.30	1	20
Chromium	101	100	81-120	1	20	N.D.	N.D.	0 (1)	20
Lead	105	107	75-125	1	20	N.D.	N.D.	0 (1)	20
Magnesium	99	98	75-125	1	20	1.54	1.54	0	20
Nickel	102	104	86-115	1	20	0.0012 J	N.D.	200* (1)	20
Selenium	101	102	75-125	1	20	N.D.	N.D.	0 (1)	20
Silver	98	97	75-125	1	20	N.D.	N.D.	0 (1)	20
Vanadium	102	101	90-111	1	20	N.D.	N.D.	0 (1)	20

Batch number: 131045713005

Sample number(s): 7021877-7021890 UNSPK: 7021878 BKG: 7021878

Mercury	98	95	80-120	3	20	N.D.	N.D.	0 (1)	20
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### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed

\* - Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

\*\* = This limit was used in the evaluation of the final result

unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: NHDES VOCs 25ml purge

Batch number: G131042AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7021877	98	96	101	97
7021878	97	99	101	97
7021879	97	95	101	97
7021880	97	99	101	97
7021882	97	97	101	97
7021883	97	96	100	97
7021884	98	96	100	96
7021885	97	98	100	97
7021886	97	97	100	97
7021887	98	96	100	98
7021888	97	97	100	96
7021889	97	98	101	98
7021890	98	97	100	97
7021891	98	101	99	97
Blank	97	99	100	99
LCS	97	97	101	97
MS	97	94	102	97
MSD	96	96	101	97
Limits:	77-114	74-113	77-110	78-110

Analysis Name: NHDES VOCs 25ml purge

Batch number: G131051AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7021881	97	101	106	99
Blank	97	99	100	97
LCS	97	98	101	98
MS	98	99	101	98
MSD	99	99	101	98
Limits:	77-114	74-113	77-110	78-110

\* - Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

\*\* = This limit was used in the evaluation of the final result

Analysis Name: PAHs in waters by SIM

Batch number: 13104WAA026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7021877	120	120	110
7021878	116	115	107
7021879	103	108	94
7021880	120	123	110
7021881	97	92	106
7021882	95	83	96
7021883	93	83	93
7021884	113	107	107
7021885	108	97	103
7021886	98	84	96
7021887	86	70	92
7021888	115	112	105
7021889	114	110	106
7021890	116	114	101
Blank	114	124	107
LCS	115	127	110
LCSD	117	128	110
Limits:	64-120	62-141	58-134

\* - Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

\*\* = This limit was used in the evaluation of the final result

**QC Comment**

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**7021877 WS-005 (SURFACE) 041313 Grab Surface Water**

**7021878 WS-003 (SURFACE) 041313 Grab Surface Water**

**7021879 WS-002 (SURFACE) 041313 Grab Surface Water**

**7021880 WS-BKG-001 (SURFACE) 041313 Grab Surface Water**

08357

PAHs in waters by SIM

The percent recoveries for several compounds in the LCS/LCSD associated with

this sample were outside QC specification high. Any detected compounds would be

biased slightly high. The client was contacted and the data was reported

**7021881 WS-008 (SURFACE) 041313 Grab Surface Water**

08357 PAHs in waters by SIM

The percent recoveries for several compounds in the LCS/LCSD associated with

this sample were outside QC specification high. Any detected compounds would be

biased slightly high. The client was contacted and the data was reported

**7021882 WS-004 (SURFACE) 041313 Grab Surface Water**

08357 PAHs in waters by SIM

The percent recoveries for several compounds in the LCS/LCSD associated with

this sample were outside QC specification high. Any detected compounds would be

biased slightly high. The client was contacted and the data was reported

**7021883 WS-004 (0.5-1.0) 041313 Grab Surface Water**

08357 PAHs in waters by SIM

The percent recoveries for several compounds in the LCS/LCSD associated with this sample were outside QC specification high. Any detected compounds would be biased slightly high. The client was contacted and the data was reported

**7021884 WS-001(SURFACE) 041313 Grab Surface Water**

**7021885 WS-001(0.5-1.0) 041313 Grab Surface Water**

**7021886 WS-007(SURFACE) 041313 Grab Surface Water**

08357 PAHs in waters by SIM  
The percent recoveries for several compounds in the LCS/LCSD associated with this sample were outside QC specification high. Any detected compounds would be biased slightly high. The client was contacted and the data was reported

**7021887 WS-007(0.5-1.0) 041313 Grab Surface Water**

08357 PAHs in waters by SIM  
The percent recoveries for several compounds in the LCS/LCSD associated with

this sample were outside QC specification high. Any detected compounds would be

biased slightly high. The client was contacted and the data was reported

**7021888 WS-006 (SURFACE) 041313 Grab Surface Water**

**7021889 WS-006 (0.5-1.0) 041313 Grab Surface Water**

08357 PAHs in waters by SIM

The percent recoveries for several compounds in the LCS/LCSD associated with

this sample were outside QC specification high. Any detected compounds would be

biased slightly high. The client was contacted and the data was reported

**7021890 WS-DUP5-041313 Grab Surface Water**

**7021891 WS-TB-09-041313 Water**

